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L2: Entry 1 of 9

File: PGPB

Aug 7, 2003

PGPUB-DOCUMENT-NUMBER: 20030148399

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030148399 A1

TITLE: Film for assaying protease activity

PUBLICATION-DATE: August 7, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Nemori, Ryoichi	Kanagawa		JP	
Yamamoto, Masayoshi	Kanagawa		JP	
Nakamura, Kouki	Kanagawa		JP	
Okada, Yasunori	Tokyo		JP	

US-CL-CURRENT: 435/7.4

ABSTRACT:

A thin membrane for measuring protease activity, which is formed on a support and, which comprises one or more kinds of substances selected from the group consisting of a transferrin derivative and an albumin derivative and is crosslinked and/or substantially water-insoluble. The membrane enables selective measurement of protease activity of a particular class of protease such as matrix metalloproteinase 7.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWOC
Draw Desc											

☐ 2. Document ID: US 20030086895 A1

L2: Entry 2 of 9

File: PGPB

May 8, 2003

PGPUB-DOCUMENT-NUMBER: 20030086895

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030086895 A1

TITLE: Biodegradable polymer compositions, compositions and uses related thereto

PUBLICATION-DATE: May 8, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hanes, Justin	Baltimore	MD	US	
Fu, Jie	Baltimore	MD	US	
Fiegel, Jennifer	Odenton	MD	US	

US-CL-CURRENT: 424/70.17; 528/297, 528/76

ABSTRACT:

The present application is directed to biodegradable polymers, compositions, including microspheres and nanospheres, formed of such polymers, and methods of using such polymers and compositions. In certain embodiments, the subject polymer compositions include therapeutic agents, optionally providing sustained release of the encapsulated agent after administration to a patient.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC
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☐ 3. Document ID: US 20030049381 A1

L2: Entry 3 of 9

File: PGPB

Mar 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030049381

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030049381 A1

TITLE: Methods utilizing scanning probe microscope tips and products therefor or produced thereby

PUBLICATION-DATE: March 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Mirkin, Chad A.	Wilmette	IL	US	
Piner, Richard	Des Plaines	IL	US	
Hong, Seunghun	Chicago	IL	US	

US-CL-CURRENT: 427/402

ABSTRACT:

The invention provides a lithographic method referred to as "dip pen" nanolithography (DPN). DPN utilizes a scanning probe microscope (SPM) tip (e.g., an atomic force microscope (AFM) tip) as a "pen," a solid-state substrate (e.g., gold) as "paper," and molecules with a chemical affinity for the solid-state substrate as "ink." Capillary transport of molecules from the SPM tip to the solid substrate is used in DPN to directly write patterns consisting of a relatively small collection of molecules in submicrometer dimensions, making DPN useful in the fabrication of a variety of microscale and nanoscale devices. The invention also provides substrates patterned by DPN, including submicrometer combinatorial arrays, and kits, devices and software for performing DPN. The invention further provides a method of performing AFM imaging in air. The method comprises coating an AFM tip with a hydrophobic compound, the hydrophobic compound being selected so that AFM imaging performed using the coated AFM tip is improved compared to AFM imaging performed using an uncoated AFM tip. Finally, the invention provides AFM tips coated with the hydrophobic compounds.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC

☐ 4. Document ID: US 20020102215 A1

L2: Entry 4 of 9

File: PGPB

Aug 1, 2002

PGPUB-DOCUMENT-NUMBER: 20020102215
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020102215 A1

TITLE: Diagnostic/therapeutic agents

PUBLICATION-DATE: August 1, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Klaveness, Jo	Oslo		NO	
Rongved, Pal	Oslo		NO	
Hogset, Anders	Oslo		NO	
Tolleshaug, Helge	Oslo		NO	
Naevestad, Anne	Oslo		NO	
Hellebust, Halldis	Oslo		NO	
Hoff, Lars	Oslo		NO	
Cuthbertson, Alan	Oslo		NO	
Lovhaug, Dagfinn	Oslo		NO	
Solbakken, Magne	Oslo		NO	

US-CL-CURRENT: 424/9.52; 514/44

ABSTRACT:

Targetable diagnostic and/or therapeutically active agents, e.g. ultrasound contrast agents, having reporters comprising gas-filled microbubbles stabilized by monolayers of film-forming surfactants, the reporter being coupled or linked to at least one vector.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC

☐ 5. Document ID: US 20020063212 A1

L2: Entry 5 of 9

File: PGPB

May 30, 2002

PGPUB-DOCUMENT-NUMBER: 20020063212
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020063212 A1

TITLE: Methods utilizing scanning probe microscope tips and products therefor or produced thereby

PUBLICATION-DATE: May 30, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Mirkin, Chad A.	Wilmette	IL	US	
Piner, Richard	Des Plaines	IL	US	
Hong, Seunghun	Chicago	IL	US	

US-CL-CURRENT: 250/306

ABSTRACT:

The invention provides a lithographic method referred to as "dip pen" nanolithography (DPN). DPN utilizes a scanning probe microscope (SPM) tip (e.g., an atomic force microscope (AFM) tip) as a "pen," a solid-state substrate (e.g., gold) as "paper," and molecules with a chemical affinity for the solid-state substrate as "ink." Capillary transport of molecules from the SPM tip to the solid substrate is used in DPN to directly write patterns consisting of a relatively small collection of molecules in submicrometer dimensions, making DPN useful in the fabrication of a variety of microscale and nanoscale devices. The invention also provides substrates patterned by DPN, including submicrometer combinatorial arrays, and kits, devices and software for performing DPN. The invention further provides a method of performing AFM imaging in air. The method comprises coating an AFM tip with a hydrophobic compound, the hydrophobic compound being selected so that AFM imaging performed using the coated AFM tip is improved compared to AFM imaging performed using an uncoated AFM tip. Finally, the invention provides AFM tips coated with the hydrophobic compounds.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
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☐ 6. Document ID: US 6264917 B1

L2: Entry 6 of 9

File: USPT

Jul 24, 2001

US-PAT-NO: 6264917

DOCUMENT-IDENTIFIER: US 6264917 B1

TITLE: Targeted ultrasound contrast agents

DATE-ISSUED: July 24, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Klaveness; Jo	Oslo			NO
Rongved; P.ang.l	Oslo			NO
L.o slashed.vhaug; Dagfinn	Oslo			NO

US-CL-CURRENT: 424/9.52; 600/458

ABSTRACT:

Targetable diagnostic and/or therapeutically active agents, e.g. ultrasound contrast agents, having reporters comprising gas-filled microbubbles stabilised by monolayers of film-forming surfactants, the reporter being coupled or linked to at least one vector.

17 Claims, 2 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KVMC

☐ 7. Document ID: US 6261537 B1

L2: Entry 7 of 9

File: USPT

Jul 17, 2001

US-PAT-NO: 6261537

DOCUMENT-IDENTIFIER: US 6261537 B1

TITLE: Diagnostic/therapeutic agents having microbubbles coupled to one or more vectors

DATE-ISSUED: July 17, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Klaveness; Jo	Oslo			NO
Rongved; P.ang.l	Oslo			NO
H.o slashed.gset; Anders	Oslo			NO
Tolleshaug; Helge	Oslo			NO
N.ae butted.vestad; Anne	Oslo			NO
Hellebust; Halldis	Oslo			NO
Hoff; Lars	Oslo			NO
Cuthbertson; Alan	Oslo			NO
L.o slashed.vhaug; Dagfinn	Oslo			NO
Solbakken; Magne	Oslo			NO

US-CL-CURRENT: 424/9.52; 424/1.29, 424/489, 424/9.32, 424/9.4, 424/9.6

ABSTRACT:

Targetable diagnostic and/or therapeutically active agents, e.g. ultrasound contrast agents, having reporters comprising gas-filled microbubbles stabilised by monolayers of film-forming surfactants, the reporter being coupled or linked to at least one vector.

22 Claims, 2 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KVMC

☐ 8. Document ID: US 5885829 A

L2: Entry 8 of 9

File: USPT

Mar 23, 1999

US-PAT-NO: 5885829

DOCUMENT-IDENTIFIER: US 5885829 A

**** See image for Certificate of Correction ****

TITLE: Engineering oral tissues

DATE-ISSUED: March 23, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mooney; David J.	Ann Arbor	MI		
Rutherford; Robert B.	Ann Arbor	MI		

US-CL-CURRENT: 435/325; 424/422, 424/435, 424/49, 435/374, 435/378, 435/69.1

ABSTRACT:

Disclosed are methods for regenerating dental and oral tissues from viable cells using ex vivo culture on a structural matrix. The regenerated oral tissues and tissue-matrix preparations thus provided have both clinical applications in dentistry and oral medicine and are also useful in in vitro toxicity and biocompatibility testing.

109 Claims, 17 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 11

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWAC
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☐ 9. Document ID: EP 1120648 A1

L2: Entry 9 of 9

File: EPAB

Aug 1, 2001

PUB-NO: EP001120648A1

DOCUMENT-IDENTIFIER: EP 1120648 A1

TITLE: METHOD OF DETECTING THIOL-CONTAINING COMPOUND

PUBN-DATE: August 1, 2001

INVENTOR-INFORMATION:

NAME	COUNTRY
NEMORI, RYOICHI	JP
NISHIGAKI, JUNJI	JP
TAMURA, YUTAKA	JP

INT-CL (IPC): G01 N 31/00; G01 N 21/75; G01 N 33/68; G01 N 33/52

EUR-CL (EPC): G01N031/22; G01N033/68

ABSTRACT:

CHG DATE=20010904 STATUS=O> A method for measuring a thiol group-containing compound, which comprises the steps of (1) contacting a sample containing a thiol group-containing compound with a thin membrane comprising a microparticle of a substance selected from the group consisting of a metal and a metal compound and comprising a hydrophilic binder; and (2) detecting a color change on the thin membrane resulting from interaction of the thiol group-containing compound and the microparticle, and a thin membrane used for said method. A thiol group-containing compound such as an alkylmercaptan or a protein containing thiol groups can be conveniently and accurately measured.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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Term	Documents
THIOL	45204
THIOLS	13017
(1 AND THIOL).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	9
(L1 AND THIOL).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	9

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